2SA1010

Rev.H Oct.-2018

DATA SHEET

/ Descriptions

TO-220 PNP Silicon PNP transistor in a TO-220 Plastic Package.

/ Features

2SC2334

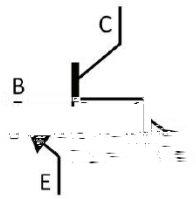
Low $V_{CE(sat)}$,fast switching speed, complementary pair with 2SC2334.

/ Applications

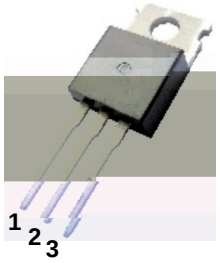
DC/DC

Use for high voltage high speed switching, for a drive in devices such as switching regulators, DC/DC converters, high frequency power amplifiers.

/ Equivalent Circuit



/ Pinning



PIN1 Base PIN 2 Collector PIN 3 Emitter

/ h_{FE} Classifications & Marking

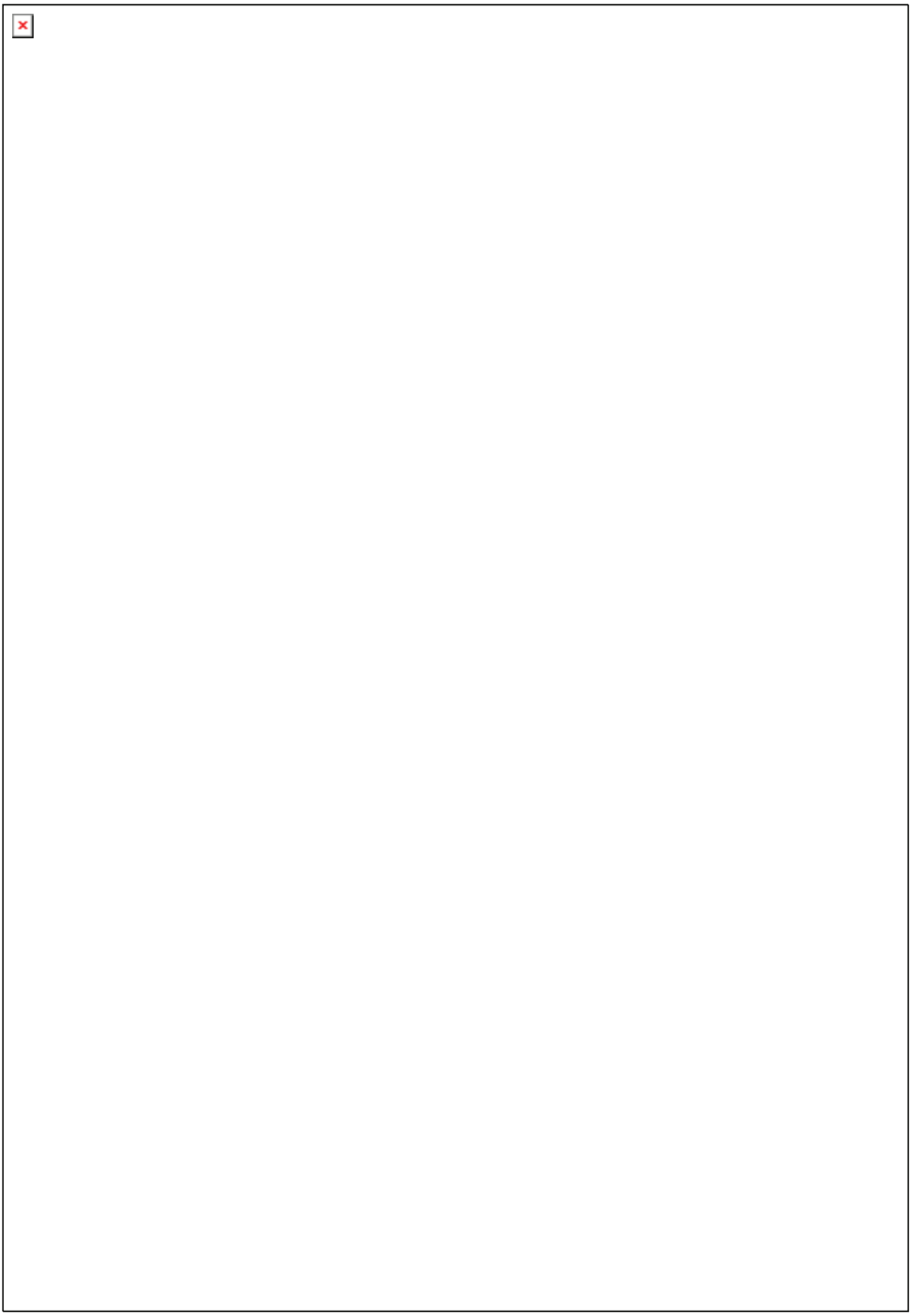
h_{FE} Classifications Symbol	M	L	K
h_{FE} Range	40 80	60 120	100 200

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	-100	V
Collector to Emitter Voltage	V_{CEO}	-100	V
Emitter to Base Voltage	V_{EBO}	-7.0	V
Collector Current - Continuous	I_C	-7.0	A
Peak Collector Current*	*I_{CM}	-15	A
Base Current – Continuous	I_B	-3.5	A
Collector Power Dissipation	P_C	1.5	W
	P_C(T_C=25)	40	W
Junction Temperature	T		

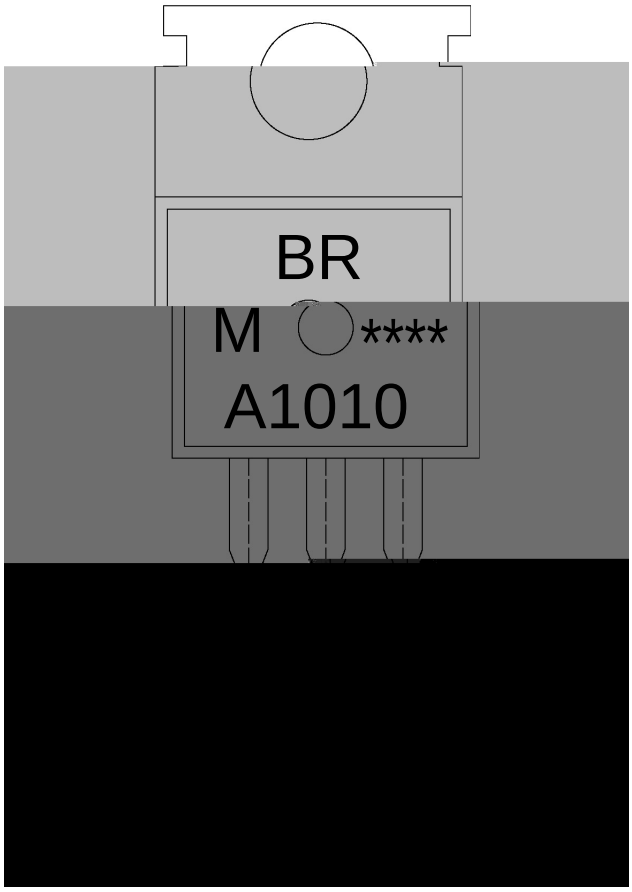
/ Electrical Characteristic Curve



/ Package Dimensions



/ Marking Instructions



BR

A1010

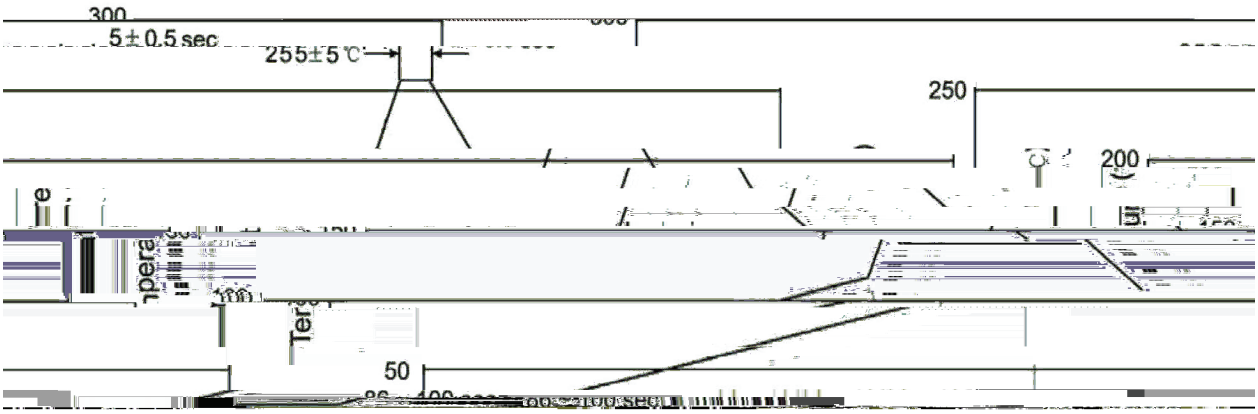
M: h_{FE}

****

Note:

BR:	Company Code
A1010:	Product Type.
M:	h_{FE} Classifications Symbol
****:	Lot No. Code, code change with Lot No.

( ) / Temperature Profile for Dip Soldering(Pb-Free)



										Note:	
1		25	150			60	90sec;			1.Preheating:25~150	, Time:60~90sec.
2		255±5					5±0.5sec;			2.Peak Temp.:255±5	, Duration:5±0.5sec.
3					2	10	/sec.			3. Cooling Speed: 2~10	/sec.

/ Resistance to Soldering Heat Test Conditions

270±5	10±1 sec.	Temp.:270±5	Time:10±1 sec

Ł / Packaging SPEC.

/ BULK

Package Type	Units			Dimension (unit mm^3)
	Units/Bag /	Bags/Inner Box /	Units/Inner Box /	